Index of Authors

ADAGU, I. S. and WARHURST, D. C. *Plasmodium falciparum*: linkage disequilibrium between loci in chromosomes 7 and 5 and chloroquine selective pressure in Northern Nigeria, 219

ADLARD, R. D. *See* JAKES, K. A.

ADROHER, F. J. *See* IGLESIAS, L.

AGRELLOS, O. A. *See* MORGADO-DÍAZ, J. A.

AKÇA, A. *See* NEVES, L.

AKHKHA, A. *See* AL-ADHAMI, B. H.

AKUE, J. P., DUBREUIL, G. and MOUKANA, H. The relationship between parasitological status and humoral responses to *Loa loa* antigens in the *Madrillus sphinx* model after immunization with irradiated L3 and infection with normal L3, 71

AL-ADHAMI, B. H., DOENHOFF, M., THORNHILL, J., AKHKHA, A., WHITE, E. and KUSEL, J. R. A study of some characteristics of individual clones of *Schistosoma mansoni* with emphasis on the biological and metabolic activities, 563

ANDERSON, P. A. V. *See* KOHN, A. B.

ANWAR, M. A. *See* NEWMAN, C.

ARESE, P. *See* SCHWARZER, E.

ARNON, R. *See* SCHECHTMAN, D.

ARNOT, D. E. *See* OFOSU-OKYERE, A.

ARTOIS, M. *See* FROMONT, E.

BACH KNUDSEN, K. E. *See* PETKEVIČIUS, S.

BAJER, A. *See* BEHNKE, J. M.

BAÑULS, A. L. *See* HIDE, M.

BARNARD, C. J. *See* BEHNKE, J. M.

BEHNKE, J. M. *See* SHARPILO, V. P.

BEHNKE, J. M., BARNARD, C. J., BAJER, A., BRAY, D., DINMORE, J., FRAKE, K., OSMOND, J., RACE, T. and SINSKI, E. Variation in the helminth community structure in bank voles (*Clethrionomys glareolus*) from three comparable localities in the Mazury Lake District region of Poland, 401

BELLOMO, G. *See* SCHWARZER, E.

BENÍTEZ, R. *See* IGLESIAS, L.

BENITO, A. *See* RUBIO, J. M.

BERZOSA, P. J. *See* RUBIO, J. M.

BISERKOV, V. *See* SHARPILO, V. P.

BISHOP, S. C. *See* STEAR, M. J.

BLAIR, D. *See* LE, T. H.

BOUT, D. *See* VELGE-ROUSSEL, F.

BRAY, D. *See* BEHNKE, J. M.

BRENNAN, G. P. *See* ROBINSON, M. W.

BROWN, S. P., LOOT, G., GRENFELL, B. T. and GUÉGAN, J. F. Host manipulation by *Ligula intestinalis*: accident or adaptation?, 519

BRUNEAU, A., DERNBURG, A., CHAUVE, C. and ZENNER, L. First *in vitro* cycle of the chicken mite, *Dermanyssus gallinae* (DeGeer 1778), utilizing an artificial feeding device, 583

BÜTTNER, D. W. *See* DUERR, H. P.

BUZONI-GATEL, D. *See* VELGE-ROUSSEL, F.

CABARET, J. *See* SILVESTRE, A.

CAMMACK, R. *See* RASOLOSON, D.

CANOVA, S. G. *See* ROSENZVIT, M. C.

CHAN, B. H. K. *See* TIMMS, R.

CHAUVE, C. *See* BRUNEAU, A.

CHISTY, M. M. *See* NARGIS, M.

COLEGRAVE, N. *See* TIMMS, R.

COLHOUN, L. M. *See* ROBINSON, M. W.

CROSS, H. F. *See* NEVES, L.

CROSS, M. A., IRWIN, S. W. B. and FITZPATRICK, S. M. Effects of heavy metal pollution on swimming and longevity in cercariae of *Cryptocotyle lingua* (Digenea: Heterophyidae), 499

CUI, W. W. *See* WANG, H.

CUNNINGHAM, C. O. *See* MATEJUSOVÁ, I.

D'AMELIO, S. *See* MATEJUSOVÁ, I.

DAVIES, K. G. *See* MOHAN, S.

DAY, T. A. *See* SKELLY, P. J.

DERNBURG, A. *See* BRUNEAU, A.

DESDEVISES, Y. *See* SIMKOVÁ, A.

DE SOUZA, W. *See* MORGADO-DÍAZ, J. A.

DE VRIES, E. *See* YATSUDA, A. P.

DIAS, W. B. *See* MORGADO-DÍAZ, J. A.

DIETZ, K. *See* DUERR, H. P.

DIMIER-POISSON, I. *See* VELGE-ROUSSEL, F.

DINMORE, J. *See* BEHNKE, J. M.

DOENHOFF, M. *See* AL-ADHAMI, B. H.

DOUGAN, P. M. *See* SKELLY, P. J.

DUBREUIL, G. *See* AKUE, J. P.

DUERR, H. P., DIETZ, K., BÜTTNER, D. W. and SCHULZ-KEY, H. A stochastic model for the aggregation of *Onchocerca volvulus* in nodules, 193

ECKERSALL, P. D. *See* STEAR, M. J.

EYSKER, M. *See* MES, T. H. M.

EYSKER, M., KOOYMAN, F. N. J. and PLOEGER, H. W. Immunity in calves against *Dictyocaulus viviparus* following a low primary infection, 591

EYSKER, M. *See* YATSUDA, A. P.

FAIRWEATHER, I. *See* ROBINSON, M. W.

FAN, Z. *See* NOGA, E. J.

FERNÁNDEZ, V., ZAVALA, A. and MUSTO, H. Evidence for translational selection in codon usage in *Echinococcus* spp., 203

FITZPATRICK, S. M. *See* CROSS, M. A.

FOULD, S. *See* MOHAN, S.

FRAKE, K. *See* BEHNKE, J. M.

FROMONT, E., MORVILLIERS, L., ARTOIS, M. and PONTIER, D. Parasite richness and abundance in insular and mainland feral cats: insularity or density?, 143

FUGLEI, E. *See* HENTTONEN, H.

FUJISAKI, K. *See* NISHIKAWA, Y.

GANGULY, N. K. *See* KAUR, H.

GATTON, M. L., HOGARTH, W. and SAUL, A. Time of treatment influences the appearance of drug-resistant parasites in *Plasmodium falciparum* infections, 537

GELNAR, M. *See* SIMKOVÁ, A.

GHOSH, S. *See* KAUR, H.

GINSBURG, H. D. *See* HOSHEN, M. B.

GIRIBALDI, G. *See* SCHWARZER, E.

GOWER, C. N. *See* HENTTONEN, H.

GRAHAM, P. A. *See* STEAR, M. J.

GREENBERG, R. M. *See* KOHN, A. B.

GRENFELL, B. T. *See* BROWN, S. P.

GREVELDING, C. G. *See* SCHECHTMAN, D.

GRONVOLD, J. *See* KRAGLUND, H.-O.

GUARNERA, E. A. *See* ROSENZVIT, M. C.

GUBBELS, M.-J., KATZER, F., SHIELS, B. R. and JONGEJAN, F. Study of *Theileria annulata* population structure during bovine infection and following transmission to ticks, 553

GUÉGAN, J. F. *See* BROWN, S. P.

HAILS, R. S. *See* WANG, H.

HAUKISALMI, V. *See* HENTTONEN, H.

HENTTONEN, H., FUGLEI, E., GOWER, C. N., HAUKISALMI, V., IMS,

R. A., NIEMIMAA, J. and YOCCOZ, N. G. *Echinococcus multilocularis* on Svalbard: introduction of an intermediate host has enabled the local life-cycle, 547

HIDE, M., BAŠULS, A. L. and TIBAYRENC, M. Genetic heterogeneity and phylogenetic status of *Leishmania* (*Leishmania*) *infantum* zymodeme MON-1: epidemiological implications, 425

HILL, W. G. *See* OFOSU-OKYERE, A.

HOGARTH, W. *See* GATTON, M. L.

HOGG, J. C. and LEHANE, M. J. Microfloral diversity of cultured and wild strains of *Psoroptes ovis* infesting sheep, 441

HOMMEL, M. *See* NEVES, L.

HOSHEN, M. B., STEIN, W. D. and GINSBURG, H. D. Pharmacokinetic-pharmacodynamic modelling of the antimalarial activity of mefloquine, 337

HUGHES, V. L. and RANDOLPH, S. E. Testosterone increases the transmission potential of tick-borne parasites, 365

HUMBERT, J.-F. *See* SILVESTRE, A.

IGARASHI, I. *See* NISHIKAWA, Y.

IGLESIAS, L., VALERO, A., BENÍTEZ, R. and ADROHER, F. J. *In vitro* cultivation of *Anisakis simplex*: pepsin increases survival and moulting from fourth larval to adult stage, 285

IHAMA, Y. *See* NARGIS, M.

IMASE, A., KOBAYASHI, K., OHMAE, H., MATSUDA, H. and IWAMURA, Y. Horizontal and vertical transmission of mouse class I MHC sequence in *Schistosoma mansoni*, 163

IMS, R. A. *See* HENTTONEN, H.

INABA, T. *See* NARGIS, M.

INNES, E. A. *See* SCHOCK, A.

IRWIN, S. W. B. *See* CROSS, M. A.

IWAMURA, Y. *See* IMASE, A.

JACKSON, J. A. and TINSLEY, R. C. *Protopolystoma xenopodis* (Monogenea) primary and secondary infections in *Xenopus laevis*, 455

JAKES, K. A., O'DONOGHUE, P. J. and ADLARD, R. D. Phylogenetic relationships of *Trypanosoma chelodina* and *Trypanosoma binneyi* from Australian tortoises and platypuses inferred from small subunit rRNA analyses, 483

JONGEJAN, F. *See* GUBBELS, M.-J.

KAMENETZKY, L. *See* ROSENZVIT, M. C.

KAMIYA, H. *See* NARGIS, M.

KATZER, F. *See* GUBBELS, M.-J.

KAUR, H., GHOSH, S., SAMRA, H., VINAYAK, V. K. and GANGULY, N. K. Identification and characterization of an excretory–secretory product from *Giardia lamblia*, 347

KENNEDY, C. R., SHEARS, P. C. and SHEARS, J. A. Long-term dynamics of *Ligula intestinalis* and roach *Rutilus rutilus*: a study of three epizootic cycles over thirty-one years, 257

KLOAS, W. *See* SURES, B.

KNOPF, K. *See* SURES, B.

KO, R. C. *See* MAK, C. H.

KO, R. C. *See* MAK, C. H.

KOBAYASHI, K. *See* IMASE, A.

KOCK, S. Investigations of intermediate host specificity help to elucidate the taxonomic status of *Trichobilharzia ocellata* (Digenea: Schistosomatidae), 67

KOHN, A. B., LEA, J. M., ROBERTS-MISTERLY, J. M., ANDERSON, P. A. V. and GREENBERG, R. M. Structure of three high voltage-activated calcium channel α_1 subunits from *Schistosoma mansoni*, 489

KOOYMAN, F. N. J. *See* EYSKER, M.

KOOYMAN, F. N. J. *See* MES, T. H. M.

KORAM, K. A. *See* OFOSU-OKYERE, A.

KOSTADINOVA, A. *See* SHARPILO, V. P.

KOUBKOVÁ, B. *See* MATEJUSOVÁ, I.

KOUDELA, B., VISVESVARA, G. S., MOURA, H. and VÁVRA, J. The human isolate of *Brachiola algerae* (Phylum Microspora): development in SCID mice and description of its fine structure features, 153

KRAGLUND, H.-O., ROEPSTORFF, A. and GRØNVOLD, J. The impact of season and vegetation on the survival and development of *Oesophagostomum dentatum* larvae in pasture plots, 415

KULDA, J. *See* RASOLOSON, D.

KUNZ, W. *See* SCHECHTMAN, D.

KUSEL, J. R. *See* AL-ADHAMI, B. H.

KUZMIN, Y. I. *See* SHARPILO, V. P.

LAINSON, R. *See* PAPERNA, I.

LATHAM, S. M. *See* SCHOCK, A.

LE, T. H., BLAIR, D. and MCMANUS, D. P. Complete DNA sequence and gene organization of the mitochondrial genome of the liverfluke, *Fasciola hepatica* L. (Platyhelminthes; Trematoda), 609

LEA, J. M. *See* KOHN, A. B.

LEHANE, M. J. *See* HOGG, J. C.

LOOT, G. *See* BROWN, S. P.

LOUREIRO, L. *See* NEVES, L.

LYONS, K. *See* LYONS, R. E.

LYONS, R. E., LYONS, K., MCLEOD, R. and ROBERTS, C. W. Construction and validation of a polycompetitor construct (SWITCH) for use in competitive RT-PCR to assess tachyzoite-bradyzoite interconversion in *Toxoplasma gondii*, 433

MACDONALD, D. W. *See* NEWMAN, C.

MCKELLAR, Q. A. *See* STEAR, M. J.

MACKINNON, M. J. *See* OFOSU-OKYERE, A.

MACLEOD, A., TURNER, C. M. R. and TAIT, A. The detection of geographical substructuring of *Trypanosoma brucei* populations by the analysis of minisatellite polymorphisms, 475

MCLEOD, R. *See* LYONS, R. E.

MAK, C. H., SUN, K. W. and KO, R. C. Identification of some heat-induced genes of *Trichinella spiralis*, 293

MAK, C. H. and KO, R. C. DNA-binding activity in the excretory–secretory products of *Trichinella pseudospiralis* (Nematoda: Trichinelloidea), 301

MATEJUSOVÁ, I., KOUBKOVÁ, B., D'AMELIO, S. and CUNNINGHAM, C. O. Genetic characterization of six species of diplozoids (Monogenea; Diplozoidae), 465

MATSUDA, H. *See* IMASE, A.

MATSUO, A. *See* NAGANO, I.

MATSUO, A. *See* WU, Z.

MAULE, A. *See* SKELLY, P. J.

MCMANUS, D. P. *See* LE, T. H.

MENDONÇA-PREVIATO, L. *See* MORGADO-DÍAZ, J. A.

MES, T. H. M., PLOEGER, H. W., TERLOU, M., KOOYMAN, F. N. J., VAN DER PLOEG, M. P. J. and EYSKER, M. A novel method for the isolation of gastro-intestinal nematode eggs that allows automated analysis of digital images of egg preparations and high throughput screening, 309

MIKAMI, T. *See* NISHIKAWA, Y.

MISHIMA, M. *See* NISHIKAWA, Y.

MITCHELL, S. *See* STEAR, M. J.

MOHAN, S., FOULD, S. and DAVIES, K. G. The interaction between the gelatin-binding domain of fibronectin and the attachment of *Pasteuria penetrans* endospores to nematode cuticle, 271

MORAND, S. *See* SIMKOVÁ, A.

MORGADO-DÍAZ, J. A., NAKAMURA, C. V., AGRELLOS, O. A., DIAS, W. B., PREVIATO, J. O., MENDONÇA-PREVIATO, L. and DE SOUZA, W. Isolation and characterization of the Golgi complex of the protozoan *Trypanosoma cruzi*, 33

MORVILLIERS, L. *See* FROMONT, E.

MOUKANA, H. *See* AKUE, J. P.

MOURA, H. *See* KOUDELA, B.

MURRELL, K. D. *See* PETKEVIČIUS, S.

MUSTO, H. *See* FERNÁNDEZ, V.

NAGANO, I., WU, Z., NAKADA, T., MATSUO, A. and TAKAHASHI, Y. Molecular cloning and characterization of a serine proteinase inhibitor from *Trichinella spiralis*, 77
NAGANO, I. *See* WU, Z.
NAGASAWA, H. *See* NISHIKAWA, Y.
NAKADA, T. *See* NAGANO, I.
NAKADA, T. *See* WU, Z.
NAKAMURA, C. V. *See* MORGADO-DÍAZ, J. A.
NANSEN, P. *See* PETKEVIČIUS, S.
NARGIS, M., CHISTY, M. M., IHAMA, Y., SATO, H., INABA, T. and KAMIYA, H. Kinetics of *Trypanosoma cruzi* infection in guinea-pigs, with special reference to the involvement of epidermal Langerhans' cells in the induction of immunity, 373
NASIRUDEEN, A. M. A., TAN, K. S. W., SINGH, M. and YAP, E. H. Programmed cell death in a human intestinal parasite, *Blastocystis hominis*, 235
NEVES, L., CROSS, H. F., LOUREIRO, L., AKÇA, A., HOMMEL, M. and TREES, A. J. Addition of hypoxanthine to culture media allows *in vitro* cultivation of *Babesia bovis* and *B. bigemina* at reduced serum concentrations, 357
NEWMAN, C., MACDONALD, D. W. and ANWAR, M. A. Coccidiosis in the European badger, *Meles meles* in Wytham Woods: infection and consequences for growth and survival, 133
NIEMIMAA, J. *See* HENTTONEN, H.
NISHIKAWA, Y., MISHIMA, M., NAGASAWA, H., IGARASHI, I., FUJISAKI, K., OTSUKA, H. and MIKAMI, T. Interferon-gamma-induced apoptosis in host cells infected with *Neospora caninum*, 25
NKRUMAH, F. *See* OFOSU-OKYERE, A.
NOGA, E. J., FAN, Z. and SILPHADUANG, U. Histone-like proteins from fish are lethal to the parasitic dinoflagellate *Amyloodinium ocellatum*, 57
NUTTALL, P. A. *See* WANG, H.

O'DONOGHUE, P. J. *See* JAKES, K. A.
OFOSU-OKYERE, A., MACKINNON, M. J., SOWA, M. P. K., KORAM, K. A., NKRUMAH, F., OSEI, Y. D., HILL, W. G., WILSON, M. D. and ARNOT, D. E. Novel *Plasmodium falciparum* clones and rising clone multiplicities are associated with the increase in malaria morbidity in Ghanaian children during the transition into the high transmission season, 113
OHMAE, H. *See* IMASE, A.
OLSEN, A., PERMIN, A. and ROEPSTORFF, A. Chickens and pigs as transport hosts for *Ascaris*, *Trichuris* and *Oesophagostomum* eggs, 325
OSEI, Y. D. *See* OFOSU-OKYERE, A.
OSMOND, J. *See* BEHNKE, J. M.
OTSUKA, H. *See* NISHIKAWA, Y.

PAPERNA, I. and LAINSON, R. Light microscopal structure and ultrastructure of a *Besnoitia* sp. in the naturally infected lizard *Ameiva ameiva* (Teiidae) from north Brazil, and in experimentally infected mice, 247
PEDERSEN, S. and SAEED, I. Acquired immunity to *Trichuris suis* infection in pigs, 95
PERMIN, A. *See* OLSEN, A.
PETKEVIČIUS, S., BACH KNUDSEN, K. E., NANSEN, P. and MURRELL, K. D. The effect of dietary carbohydrates with different digestibility on the populations of *Oesophagostomum dentatum* in the intestinal tract of pigs, 315
PLOEGER, H. W. *See* MES, T. H. M.
PLOEGER, H. W. *See* EYSKER, M.
PONTIER, D. *See* FROMONT, E.
POULIN, R. Progenesis and reduced virulence as an alternative transmission strategy in a parasitic trematode, 623
PREVIATO, J. O. *See* MORGADO-DÍAZ, J. A.

RACE, T. *See* BEHNKE, J. M.
RAM, D. *See* SCHECHTMAN, D.
RANDOLPH, S. E. *See* HUGHES, V. L.
RASOLOSON, D., TOMKOVÁ, E., CAMMACK, R., KULDA, J. and TACHEZY, J. Metronidazole-resistant strains of *Trichomonas vaginalis* display increased susceptibility to oxygen, 45
READ, A. F. *See* TIMMS, R.
ROBERTS, C. W. *See* LYONS, R. E.
ROBERTS-MISTERLY, J. M. *See* KOHN, A. B.
ROBINSON, M. W., COLHOUN, L. M., FAIRWEATHER, I., BRENNAN, G. P. and WAITE, J. H. Development of the vitellaria of the liver fluke, *Fasciola hepatica* in the rat host, 509
ROEPSTORFF, A. *See* KRAGLUND, H.-O.
ROEPSTORFF, A. *See* OLSEN, A.
ROSENZVIT, M. C., CANOVA, S. G., KAMENETZKY, L. and GUARNERA, E. A. *Echinococcus granulosus*: intraspecific genetic variation assessed by a DNA repetitive element, 381
RUBIO, J. M., BERZOSA, P. J. and BENITO, A. Amplified fragment length polymorphism (AFLP) protocol for genotyping the malarial parasite *Plasmodium falciparum*, 331

SAEED, I. *See* PEDERSEN, S.
SAMRA, H. *See* KAUR, H.
SASAL, P. *See* SIMKOVÁ, A.
SATO, H. *See* NARGIS, M.
SAUL, A. *See* GATTON, M. L.
SCHECHTMAN, D., WINNEN, R., TARRAB-HAZDAI, R., RAM, D., SHINDER, V., GREVELDING, C. G., KUNZ, W. and ARNON, R. Expression and immunolocalization of the 14-3-3 protein of *Schistosoma mansoni*, 573
SCHOCK, A., INNES, E. A., YAMANE, I., LATHAM, S. M. and WASTLING, J. M. Genetic and biological diversity among isolates of *Neospora caninum*, 13
SCHULZ-KEY, H. *See* DUERR, H. P.
SCHWARZER, E., BELLOMO, G., GIRIBALDI, G., ULLIERS, D. and ARESE, P. Phagocytosis of malarial pigment haemozoin by human monocytes: a confocal microscopy study, 125
SHARPILO, V. P., BISERKOV, V., KOSTADINOVA, A., BEHNKE, J. M. and KUZMIN, Y. I. Helminths of the sand lizard, *Lacerta agilis* (Reptilia, Lacertidae), in the Palaearctic: faunal diversity and spatial patterns of variation in the composition and structure of component communities, 389
SHEARS, J. A. *See* KENNEDY, C. R.
SHEARS, P. C. *See* KENNEDY, C. R.
SHIELS, B. R. *See* GUBBELS, M.-J.
SHINDER, V. *See* SCHECHTMAN, D.
SHOEMAKER, C. B. *See* SKELLY, P. J.
SILPHADUANG, U. *See* NOGA, E. J.
SILVESTRE, A., CABARET, J. and HUMBERT, J.-F. Effect of benzimidazole under-dosing on the resistant allele frequency in *Teladorsagia circumcincta* (Nematoda), 103
SIMKOVÁ, A., DESDEVISES, Y., GELNAR, M. and MORAND, S. Morphometric correlates of host specificity in *Dactylogyus* species (Monogenea) parasites of European Cyprinid fish, 169
SIMKOVÁ, A., GELNAR, M. and SASAL, P. Aggregation of congeneric parasites (Monogenea: *Dactylogyrus*) among gill microhabitats within one host species (*Rutilus rutilus* L.), 599
SINGH, M. *See* NASIRUDEEN, A. M. A.
SINSKI, E. *See* BEHNKE, J. M.
SKELLY, P. J., DOUGAN, P. M., MAULE, A., DAY, T. A. and SHOEMAKER, C. B. Cloning and characterization of a muscle isoform of a Na, K-ATPase alpha subunit (SNaK1) from *Schistosoma mansoni*, 277
SOWA, M. P. K. *See* OFOSU-OKYERE, A.
STEAR, M. J., ECKERSALL, P. D., GRAHAM, P. A., MCKELLAR, Q. A., MITCHELL, S. and BISHOP, S. C. Fructosamine concentration and resistance to natural, predominantly *Teladorsagia circumcincta* infection, 211
STEIN, W. D. *See* HOSHEN, M. B.
STREIT, B. *See* SURES, B.
SUN, K. W. *See* MAK, C. H.
SURES, B., KNOPF, K. and KLOAS, W. Induction of stress by the swimbladder nematode *Angillicola crassus* in European eels, *Anguilla anguilla*, after repeated experimental infection, 179

SURES, B. and STREIT, B. Eel parasite diversity and intermediate host abundance in the River Rhine, Germany, 185

TACHEZY, J. *See* RASOLOSON, D.
TAIT, A. *See* MACLEOD, A.
TAKAHASHI, Y. *See* NAGANO, I.
TAKAHASHI, Y. *See* WU, Z.
TAN, K. S. W. *See* NASIRUDEEN, A. M. A.
TARRAB-HAZDAI, R. *See* SCHECHTMAN, D.
TERLOU, M. *See* MES, T. H. M.
THORNHILL, J. *See* AL-ADHAMI, B. H.
TIBAYRENC, M. *See* HIDE, M.
TIMMS, R., COLEGRAVE, N., CHAN, B. H. K. and READ, A. F. The effect of parasite dose on disease severity in the rodent malaria *Plasmodium chabaudi*, 1
TINSLEY, R. C. *See* JACKSON, J. A.
TOMKOVÁ, E. *See* RASOLOSON, D.
TREES, A. J. *See* NEVES, L.
TURNER, C. M. R. *See* MACLEOD, A.

ULLIERS, D. *See* SCHWARZER, E.

VALERO, A. *See* IGLESIAS, L.
VAN DER PLOEG, M. P. J. *See* MES, T. H. M.
VÁVRA, J. *See* KOUDELA, B.
VELGE-ROUSSEL, F., DIMIER-POISSON, I., BUZONI-GATEL, D. and BOUT, D. Anti-SAG1 peptide antibodies inhibit the penetration of *Toxoplasma gondii* tachyzoites into enterocyte cell lines, 225
VIERA BRESSAN, M. C. R. *See* YATSUDA, A. P.
VINAYAK, V. K. *See* KAUR, H.
VISVESVARA, G. S. *See* KOUDELA, B.

WAITE, J. H. *See* ROBINSON, M. W.
WANG, H., HAILS, R. S., CUI, W. W. and NUTTALL, P. A. Feeding aggregation of the tick *Rhipicephalus appendiculatus* (Ixodidae): benefits and costs in the contest with host responses, 447
WARHURST, D. C. *See* ADAGU, I. S.
WASTLING, J. M. *See* SCHOCK, A.
WHITE, E. *See* AL-ADHAMI, B. H.
WILSON, M. D. *See* OFOSU-OKYERE, A.
WINNEN, R. *See* SCHECHTMAN, D.
WU, Z., MATSUO, A., NAKADA, T., NAGANO, I. and TAKAHASHI, Y. Different response of satellite cells in the kinetics of myogenic regulatory factors and ultrastructural pathology after *Trichinella spiralis* and *T. pseudospiralis* infection, 85
WU, Z. *See* NAGANO, I.

YAMANE, I. *See* SCHOCK, A.
YAP, E. H. *See* NASIRUDEEN, A. M. A.
YATSUDA, A. P., DE VRIES, E., VIERA BRESSAN, M. C. R. and EYSKER, M. A *Cooperia punctata* gene family encoding 14 kDa excretory–secretory antigens conserved for trichostrongyloid nematodes, 631
YOCCOZ, N. G. *See* HENTTONEN, H.

ZAVALA, A. *See* FERNÁNDEZ, V.
ZENNER, L. *See* BRUNEAU, A.

Index of Subjects

Acquired immunity, to *Trichuris suis*, in pigs, 95
Aggregation of congeneric parasites among gill microhabitats, 599
Ameiva ameiva, natural infection of by *Besnoitia* sp., ultrastructural study, 247
Amplified fragment length polymorphism, protocol for genotyping *Plasmodium falciparum*, 331
Amyloodinium ocellatum, death of induced by histone-like proteins from fish, 57
Anguilla anguilla, diversity and intermediate host abundance of in the River Rhine, 185
induction of stress in by *Anguillicola crassus*, 179
Anisakis simplex, *in vitro* cultivation of, 285
Antiparasitic effect, of fish histone-like proteins, 57
Anti-14-3-3 protein, use of in immunolocalization in *Schistosoma mansoni*, 573
Apoptosis, IFN-γ induction of in *Neospora caninum*-infected cells, 25
in *Blastocystis hominis*, 235
Australian trypanosomes, phylogeny of, 483

Babesia cultures, reduced serum concentrations in, 357
Babesia microti, testosterone increases transmission potential of, 365
Benzimidazole, and allele frequency in *Teladorsagia circumcincta*, 103
Besnoitia sp., ultrastructure of in *Ameiva ameiva*, 247
Biological diversity, among isolates of *Neospora caninum*, 13
Blastocystis hominis, programmed cell death in, 235
Brachiola algerae, in SCID mice, 153
Brachiola and *Anncaliia* genera, relationship between species of, 153

Calcium channel α_1 subunits, structure of from *Schistosoma mansoni*, 489
Chickens, as transport hosts for *Ascaris*, *Trichuris* and *Oesophagostomum* eggs, 325
Clethrionomys glareolus, variation in the helminth community structure in, 401
Clone multiplicity, and transmission season effect for *Plasmodium falciparum*, 113
Clones, of *Schistosoma mansoni*, metabolic activities of, 563
Coccidiosis, in the European badger, 133
Codon usage, in *Echinococcus* spp., 203
Cooperia punctata, gene family encoding 14 kDa excretory–secretory antigens from, 631
Cryptocotyle lingua, effects of heavy metal pollution on, 499

Dactylogyrus species, morphometric correlates of host specificity in, 169
Dermanyssus gallinae, *in vitro* life-cycle of, 583
Detection, of *Trypanosoma brucei* populations by minisatellite polymorphism analysis, 475
Dictyocaulus viviparus, immunity development to in calves, 591
Dietary carbohydrates, effect of *Oesophagostomum dentatum* in pigs, 315
Diplozoids, genetic characterization of six species of, 465
Disease severity, effect of dose on in *Plasmodium chabaudi* infections, 1
DNA-binding activity of E–S products of *Trichinella pseudospiralis*, 301
DNA sequence, of the mitochondrial genome of *Fasciola hepatica*, 609

Echinococcus granulosus, intraspecific genetic variation in, 381
Echinococcus multilocularis, on Svalbard, 547
Echinococcus spp., evidence for translational selection in codon usage in, 203
Epidemiology, of parasites on islands, 143
Epizootics, of *Ligula intestinalis*, 257
European eels, diversity and intermediate host abundance of in the River Rhine, 185
Excretory–secretory antigens, a gene family encoding in *Cooperia punctata*, 631
Excretory–secretory product, from *Giardia lamblia*, 347
Excretory–secretory products, of *Trichinella pseudospiralis*, DNA-binding activity of, 301

Fasciola hepatica, development of the vitellaria of, 509
mitochondrial genome of, 609
Feeding aggregation, of *Rhipicephalus appendiculatus*, 447
Fibronectin, interaction between the gelatin-binding domain of and the attachment of *Pasteuria penetrans*, 271
Fructosamine, in *Teladorsagia circumcincta* infection, 211

Gastro-intestinal eggs, a novel method for the isolation of, 309
Gene family, encoding 14 kDa excretory–secretory antigens, in *Cooperia punctata*, 631
Gene organization, of the mitochondrial genome of *Fasciola hepatica*, 609
Genetic characterization, of six species of diplozoids, 465
Genetic diversity, among isolates of *Neospora caninum*, 13
Genetic variation, in *Echinococcus granulosus*, 381
Geographical substructuring, of *Trypanosoma brucei* by minisatellite polymorphism analysis, 475
Giardia lamblia, excretory–secretory product from, 347
Gill microhabitats, aggregation of congeneric parasites within, 599
Golgi complex, isolation and characterization of from *Trypanosoma cruzi*, 33
Growth and survival, effect of coccidiosis on in the European badger, 133

Haemozoin, phagocytosis of by human monocytes, 125
Heat-induced genes, of *Trichinella spiralis*, 293
Heavy metal pollution, effects of on cercariae of *Cryptocotyle lingua*, 499
Helminth community structure, variation of in bank voles, 401
Helminths, of sand lizards in the Palaearctic, 389
Histone-like proteins, from fish, are lethal to *Amyloodinium ocellatum*, 57
Host manipulation, by *Ligula intestinalis*, 519
Host specificity, morphometric correlates of in *Dactylogyrus* species, 169

Immunity development, to *Dictyocaulus viviparus*, 591
Interferon-gamma, induction of apoptosis by in *Neospora caninum*-infected cells, 25
Insular populations, epidemiology of parasites on, 143
Invasion, inhibition of by anti-SAG1 antibodies in *Toxoplasma gondii*, 225
In vitro cultivation, of *Anisakis simplex*, 285
In vitro culture, of *Babesia* in reduced serum, 357

Kinetics, of *Trypanosoma cruzi* infection in guinea-pigs, 373

Lacerta agilis, helminths of in the Palaearctic, 389
Langerhans' cells, involvement of in *Trypanosoma cruzi* infection kinetics, 373
Leishmania (*Leishmania*) *infantum*, phylogenetic status of MON-1 of, 425
Life-cycle, of *Dermanyssus gallinae*, *in vitro*, 583
Ligula intestinalis, host manipulation by, 519

long-term dynamics of in *Rutilus rutilus*, 257
Linkage disequilibrium, between *Plasmodium falciparum pfcrt* and *pfmdr1*, 219
Liver fluke, development of the vitellaria in, 509
Loa loa, antigens of in *Mandrillus sphinx*, 71

Malaria, modelling of mefloquine activity against, 337
Mandrillus sphinx, recognition of *Loa loa* antigens in, 71
Mathematical modelling, to predict probability of drug-resistance development, 537
Mazury Lake, Poland, variation in the helminth community structure in bank voles from, 401
Mefloquine, modelling of anti-malarial activity of, 337
Meles meles, coccidiosis in, 133
Metabolic activities, of *Schistosoma mansoni* clones, 563
Metronidazole-resistant strains, of *Trichomonas vaginalis*, and susceptibility to oxygen, 45
MHC class I, detection of mouse sequence of in *Schistosoma mansoni*, 163
Microfloral diversity, of *Psoroptes ovis* infesting sheep, 441
Misdifferentiation, of satellite cells in response to *Trichinella* infection, 85
Mitochondrial genome, of *Fasciola hepatica*, 609
Molecular analysis, of ITS2 from six diplozoid species, 465
Morphometric correlates, of host specificity in *Dactylogyrus* species, 169

Na, K-ATPase α subunit, cloning and characterization of from *Schistosoma mansoni*, 277
Neospora caninum, genetic and biological diversity among isolates of, 13
induction of apoptosis in cells infected with, by IFN-γ, 25
Nodule formation, a stochastic model for in *Onchocerca volvulus*, 193
Novel method, for isolation of GI nematode eggs, 309
Nutrition, effect of on *Oesophagostomum dentatum* in pigs, 315

Oesophagostomum dentatum, effect of dietary carbohydrates on in pigs, 315
survival and development of in pasture plots, 415
Onchocerca volvulus, a stochastic model for the aggregation of in nodules, 193
Oxygen, susceptibility to in metronidazole-resistant strains of *Trichomonas vaginalis*, 45

Parasite aggregation, among microhabitats within host, 599
Pasteuria penetrans, attachment of the endospores of to nematode cuticle, 271
Pasture plots, effect of season and vegetation on *Oesophagostomum dentatum* survival and development on, 415
Phagocytosis, of malarial haemozoin by human monocytes, 125
Pharmacokinetic-pharmacodynamic modelling, of mefloquine anti-malarial activity, 337
Phylogenetic status, of *Leishmania* (*Leishmania*) *infantum* zymodeme MON-1, 425
Phylogeny, of Australian trypanosomes, 483
Pigs, as transport hosts for *Ascaris*, *Trichuris* and *Oesophagostomum* eggs, 325
Plasmodium chabaudi, dose and severity of infections of, 1
Plasmodium falciparum, AFLP protocol for genotyping of, 331
drug timing affects resistance of, 537
linkage disequilibrium between loci in chromosomes 7 and 5 of, 219
novel clones of during seasonal transmission, 113
phagocytosis of haemozoin from by human monocytes, 125
Pollution, effects of on cercariae of *Cryptocotyle lingua*, 499
Population dynamics, of *Ligula* over 31 years, 257
Population structure, of *Theileria annulata*, 553

Progenesis, as an alternative transmission strategy in a parasitic trematode, 623
14-3-3 Protein, from *Schistosoma mansoni*, expression and immunolocalization of, 573
Protopolystoma xenopodis, primary and secondary infections of in *Xenopus laevis*, 455
Psoroptes ovis, microfloral diversity of, 441

Reproductive kinetics, of *Protopolystoma xenopodis* in *Xenopus laevis*, 455
Resistance, of *Plasmodium falciparum*, is dependent of timing of drug treatment, 537
Rhipicephalus appendiculatus, feeding aggregation of, 447
Rodent malaria, effect of parasite dose on the disease severity of, 1
Rutilus rutilus, behaviour of in response to *Ligula intestinalis*, 519
long-term dynamics of *Ligula intestinalis* in, 257

SAG1 peptide, antibodies against inhibit invasion of *Toxoplasma gondii* tachyzoites, 225
Sand lizard, helminth communities in, in the Palaearctic, 389
Satellite cells, response of to *Trichinella* infection, 85
Schistosoma mansoni, cloning and characterization of a Na, K-ATPase α subunit from, 277
detection of mouse MHC class I in, 163
expression and immunolocalization of 14-3-3 protein from, 573
metabolic activity of clones of, 563
structure of three calcium channel α_1 subunits from, 489
Seasonal transmission, novel *Plasmodium falciparum* clones associated with, 113
Serine proteinase inhibitor, cloning and characterization of from *Trichinella spiralis*, 77
SNaK1, cloning and characterization of from *Schistosoma mansoni*
Stochastic model, for the aggregation of *Onchocerca volvulus* in nodules, 193
Stress, induction of by *Anguillicola crassus* in European eels, 179
Survival and development, of *Oesophagostomum dentatum* on pasture plots, 415
Svalbard, *Echinococcus multilocularis* on, 547

Tachyzoite-bradyzoite interconversion, assessment of in *Toxoplasma* gondii, 433
Taxonomic status, of *Trichobilharzia ocellata*, 67
Teladorsagia circumcincta, effect of benzimidazole on allele frequency in, 103
fructosamine and resistance to infection by, 211
Testosterone, effect of on transmission potential of tick-borne parasites, 365
Theileria annulata, population structure of, 553
Toxocara cati, epidemiology of in insular and mainland feral cats, 143
Toxoplasma gondii, anti-SAG1 antibodies inhibit invasion of tachyzoites of, 225
assessment of tachyzoite-bradyzoite interconversion in, 433
Transmission, testosterone increases potential of in tick-borne parasites, 365
Transmission strategy, alternatives for in a parasitic trematode, 623
Trichinella infection, response of satellite cells after, 85
Trichinella pseudospiralis, DNA-binding activity of E–S products of, 301
Trichinella spiralis, cloning of a serpin from, 77
heat-induced genes of, 293
Trichobilharzia occellata, host specificity and the taxonomic status of, 67

Trichomonas vaginalis, metronidazole-resistant strains of are susceptible to oxygen, 45
Trichuris suis in pigs, acquired immunity to, 95
Trypanosoma brucei, detection and geographical substructuring of, 475
Trypanosoma cruzi infection in guinea-pigs, kinetics of, 373
isolation and characterization of the Golgi complex of, 33

Ultrastructural features, of *Brachiola algerae* in SCID mice, 153
Ultrastructural study, of *Besnoitia* sp. in *Ameiva ameiva*, 247

Virulence, reduction of as an alternative transmission strategy in a parasitic trematode, 623
Vitellaria, of *Fasciola hepatica*, development of, 509
Voltage-gated Ca^{2+} channels, structure of in *Schistosoma mansoni*, 489

Xenopus laevis, primary and secondary infections of *Protopolystoma xenopodis* in, 455

Zymodeme MON-1, from *L.* (*L.*) *infantum*, phylogenetic status of, 425